

(19) World Intellectual Property  
Organization  
International Bureau



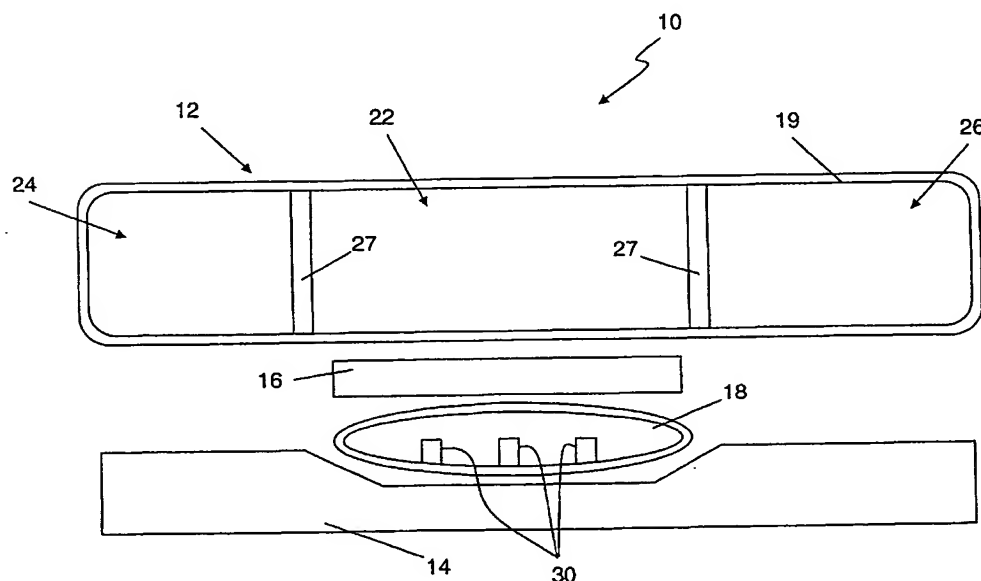
(43) International Publication Date  
30 June 2005 (30.06.2005)

PCT

(10) International Publication Number  
**WO 2005/059486 A1**

- (51) International Patent Classification<sup>7</sup>: **G01G 19/44**, A61G 7/057
- (21) International Application Number:  
PCT/US2004/041358
- (22) International Filing Date:  
10 December 2004 (10.12.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
60/529,198 12 December 2003 (12.12.2003) US
- (71) Applicant (*for US only*): **HILL-ROM SERVICES, INC.** [US/US]; 300 Delaware Avenue, Suite 530, Wilmington, DE 19801 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): **SKINNER, Andrew, F.** [US/US]; 204 North Vine Street, Batesville, IN 47006 (US). **STOLPMANN, James, R.** [US/US]; 1588 Utah Court, Lawrenceburg, Indiana 47025 (US). **RICHTER, Terry, L.** [US/US]; 4883 Springdale Road, Cincinnati, OH 45251 (US).
- (74) Agents: **ORICH, Christine, E., M.** et al.; Bose McKinney & Evans LLP, 2700 First Indiana Plaza, 135 North Pennsylvania Street, Indianapolis, Indiana 46204 (US).
- (81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:  
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: SEAT FORCE SENSOR



(57) Abstract: A weighing system associated with a mattress and configured to measure a patient's weight while the patient is positioned on the mattress.